

PMA 1 INGRESS

TOOLS AND EQUIPMENT REQUIRED:

Flashlight
Ratchet 1/4" Drive
4" Extension
7/16" Deepwell Socket, 1/4" Drive
1/4" Deepwell Socket, 1/4" Drive
Wire Cutters
Earplugs

CREW INGRESS

NOTE

Expect Klaxon when MPEV valve is opened.

1. Don Earplugs.

Node 1
Aft
Hatch

2. Remove MPEV Cap.
MPEV → Op
Wait 3 minutes.

SPEC 66 ENVIRONMENT

AFD

When CABIN dP/dT < 0.01
3. Open Node 1 Aft Hatch per decal.

Notify **MCC-H**, "Node 1 Aft Hatch is Open".

MCC-H notify **MCC-M**, "You have a go to open the Pressure Equalization Valve between the FGB Pressurized Adapter and PMA 1."

NOTE

Upon opening the PMA1-PA PEV by **MCC-M**,
expect the following MCDS and PCS messages
210 ISS C&W WARN
Cabin Press Low - FGB

Node 1
Aft
Hatch

4. MPEV → CI (capped)

PMA 1 IMV DUCT CONFIGURATION

PMA 1

5. Remove V-band coupling, two O-rings and IMV cap from port IMV flange. Tag both V-band coupling and O-rings as "Return to Houston" and stow in "Return to Houston" Bag.
Tmpry stow IMV cap in Bag (to be used in PMA 2 EGRESS procedure).

6. Remove V-band coupling and detach PMA 1 Air Duct Jumper from launch restraint.
7. Cut tying cord restraining PMA 1 Air Duct Jumper to handrail (three places).
Discard tying cord in Trash Bag.
8. Loosen band clamp on PMA 1 hard duct using Ratchet and Socket (1/4" Deepwell Socket).
Connect other end of PMA 1 Air Duct Jumper to PMA 1 hard duct by sliding over beaded end of hard duct.
Position band clamp over PMA 1 Air Duct Jumper and tighten clamp with Ratchet and Deepwell Socket (1/4").
9. Connect PMA 1 Air Duct Jumper to port IMV flange with V-band coupling. Tighten V-band with Ratchet and Deepwell Socket.
10. Open grille cover by lifting three Velcro tabs on edge of hard duct grille soft cover and stow in open position by folding tabs under to mate with pre-positioned Velcro on side of adjacent fluid line closeout.
11. Remove band clamp securing cap on PMA 1 hard duct using 1/4" Socket Wrench.
Remove cap and stow to nearby avionics closeout with pre-positioned Velcro labeled 'Ventilation Duct Cap Stowage'.
- Node 1 12. Node 1 Aft Port IMV valve → Open (deploy handle)
Stow handle
13. Remove V-band coupling, two O-rings and IMV cap from stbd IMV flange. Tag O-rings as "Return to Houston" and stow in "Return to Houston" Bag. Tmpy stow IMV cap in bag (to be used in PMA 2 EGRESS procedure).
14. With Ratchet and Deepwell Socket, install flange saver (removed during PMA 2 Ingress) using V-band coupling on Aft Stbd IMV flange.